Mr. Chompy

Kit contains:

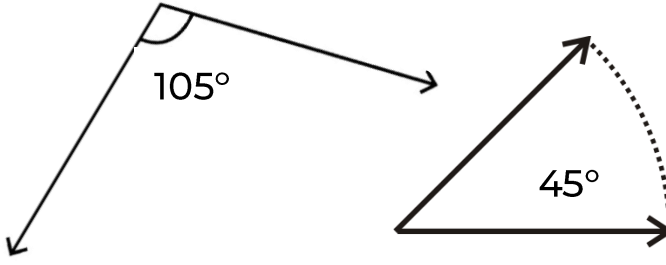
- 6 strips of cardboard
- 4 brass fasteners
- 1 yellow paper circle
- 1 white paper rectangle

You will need: scissors, a marker, glue or tape, and a hole punch or nail.

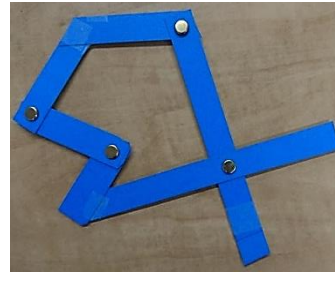
MORTON GROVE PUBLIC LIBRARY
6140 Lincoln Avenue, Morton Grove, IL 60053
Youth Info Desk: 847-929-5102 | mgpl.org

INSTRUCTIONS

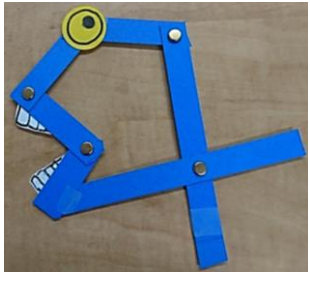
Step 1. Mr. Chompy has two fixed angles and four moving angles. Glue or tape his lower jaw at a 45° angle and his brow at a 105° angle (match the angles below).

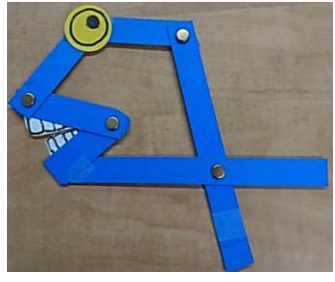


Step 2. Arrange the rest of Mr. Chompy's face as shown. Poke holes at the intersections, and insert the brass fasteners. If the fasteners stick out, you can fold the metal prongs.



Step 3. Add eyes and teeth. Color an eye on the yellow circle and attach it to Mr. Chompy's brow angle. Color and cut out top and bottom teeth from the piece of white paper. Arrange them in Mr. Chompy's jaw so that his teeth meet when he chomps. This may take some trial and error.





Look in the mirror to see how your jaws move when you talk and chew. Manipulate the ends of the cardboard strips to make Mr. Chompy talk and chew like you.

CHEW ON THIS!

Chewing, or **mastication**, is the up-and-down and side-to-side movements of the lower jaw that assist in reducing particles of solid food, making them more easily swallowed. The crushing force exerted by adult molar teeth is between 75 and 200 pounds per square inch, while that of the incisors is 30 to 70 pounds per square inch. Reasons for chewing food are to soften the tough fibers and to expose them to enzymes necessary for digestion.

When food is mixed with the saliva of the mouth, it becomes hydrated and permeated with salivary enzymes. Food is also lubricated by the mucus in saliva, which makes it more easily swallowed.

For more information on how teeth help you eat, watch SciShow Kids, “Teeth: Not Just for Smiles”: https://www.youtube.com/watch?v=b5CPd1_r03s

(Source: https://www.britannica.com/science/chewing)